

In the Claims

1-10. (cancelled)

11. (new) A pressure accumulator for dampening pulses, comprising:

an accumulator housing having a gas space and a fluid space therein;

a piston part located and movable in said housing;

a bellows-shaped separating element supported at one end thereof on said piston part and at an opposite end thereof on said housing and separating said gas space and said fluid space in said housing with said piston part in a fluid-tight and a gas-tight manner; and

a definable volumetric portion of a working gas and a liquid fill said gas space, said liquid being an alcohol.

12. (new) A pressure accumulator according to claim 11 wherein

said alcohol is ethylene glycol.

13. (new) A pressure accumulator according to claim 12 wherein

said housing comprises fluid connections connected to and supplying fluid pressure to said fluid space in said housing.

14. (new) A pressure accumulator according to claim 13 wherein

said fluid connections supply one of diesel fuel and heavy oil to said fluid space.

15. (new) A pressure accumulator according to claim 14 wherein
said piston part comprises a cavity facing said fluid space holding additional fluid.
16. (new) A pressure accumulator according to claim 11 wherein
said piston part is guided along at least a portion of a movement path thereof by parts of
said housing.
17. (new) A pressure accumulator according to claim 16 wherein
said parts of said housing are portions of a cover part of said housing separated from said
piston part by a radial distance.
18. (new) A pressure accumulator according to claim 13 wherein
said piston part comprises a stop on an end thereof facing said fluid connections that can
strike an inside wall of said housing.
19. (new) A pressure accumulator according to claim 18 wherein
said piston part comprises a stop surface on an end opposite said stop that can strike
another inside wall of said housing.
20. (new) A pressure accumulator according to claim 19 wherein
said another inside wall of said housing is on a cover part of said housing.

21. (new) A pressure accumulator according to claim 11 wherein
said separating element is a metal bellows with a plurality of individual folds located on
top of one another.

22. (new) A pressure accumulator according to claim 13 wherein
said fluid connections extend in a pipe union of said housing and discharge into a
common antechamber within said pipe union.

23. (new) A pressure accumulator according to claim 17 wherein
said piston part borders an annular gap forming said radial distance along said portion of
said movement path, said annular gap conveying said working gas and said liquid to flow to an
inside of said separating element.